

Title (en)
TANK INTERNAL PRESSURE SUPPRESSION DEVICE

Title (de)
TANKINNENDRUCKABBAUVORRICHTUNG

Title (fr)
DISPOSITIF DE SUPPRESSION DE LA PRESSION INTERNE D'UNE CUVE

Publication
EP 2921761 B1 20190102 (EN)

Application
EP 14754698 A 20140220

Priority
• JP 2013032184 A 20130221
• JP 2014054087 W 20140220

Abstract (en)
[origin: EP2921761A1] In order to readily manufacture a device that utilizes boil-off gas generated in a tank, a tank internal pressure suppression device comprises: a gas combustion unit (31) that generates pressurized exhaust gas by using compressed air and combusting boil-off gas generated inside an LNG tank (1); a compressor (36) that generates compressed air by using driving power generated in a pressurized exhaust gas expansion process by an air-compression gas turbine (34), to compress air; and a load (37) that utilizes recovered driving power generated, using pressurized exhaust gas, by a power recovery gas turbine (35) different from the air-compression gas turbine (34). This kind of tank internal pressure suppression device is capable of having a simpler configuration than other tank internal pressure suppression devices (10) whereby the load (37) utilizes driving power generated by the air-compression gas turbine (34).

IPC 8 full level
B63B 25/16 (2006.01); **F17C 13/00** (2006.01)

CPC (source: EP KR)
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